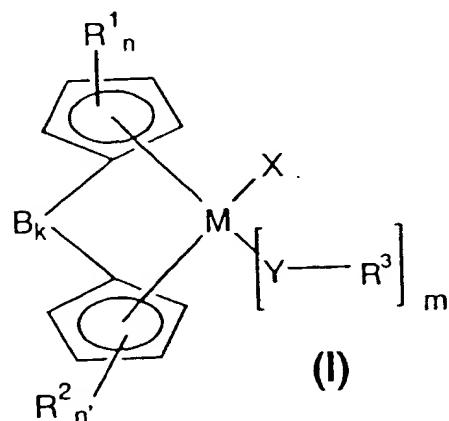


CLEAN VERSION OF AMENDED CLAIMS

Claims 9-11 should read as follows.

Please cancel claim 15.

9.(amended) A compound of the formula (I),



where

M is a metal of transition group III, IV, V or VI of the Periodic Table of the Elements,

R¹ are identical or different and are each a radical Si(R¹²)₃, where R¹² are identical or different and are each a hydrogen atom or a C₁-C₄₀-group or R¹ is a C₁-C₃₀-group, or two or more radicals R¹ may be connected to one another in such a way that the radicals R¹ and the atoms of the cyclopentadienyl ring which connect them form a C₄-C₂₄-ring system which may in turn be substituted,

R² are identical or different and are each a radical Si(R¹²)₃, where R¹² are identical or different and are each a hydrogen atom or a C₁-C₄₀-group, or R² is a C₁-C₃₀-group, or two or more radicals R² may be connected to one another in such a way that the radicals R² and the atoms of the cyclopentadienyl ring which connect them form a C₄-C₂₄-ring system which may in turn be substituted,

B | R³ are identical or different and are each a C₂-C₂₅-alkenyl, C₃-C₁₅-alkylalkenyl, C₅-C₂₄-heteroaryl, C₇-C₃₀-arylalkyl, C₇-C₃₀-alkylaryl, fluorinated C₁-C₂₅-alkyl, fluorinated C₆-C₂₄-aryl, fluorinated C₇-C₃₀-arylalkyl or fluorinated C₇-C₃₀-alkylaryl,

X is a halogen atom,

Y is oxygen or sulfur,

n is from 0 to 4,

n' is from 0 to 4,

m is from 1 to 3,

k is 1,

B is a bridging structural element between the two cyclopentadienyl rings and

one or both cyclopentadienyl rings are substituted in such a way that they form an indenyl ring.

10.(amended) A compound as claimed in claim 9, wherein

M is Ti, Zr or Hf,

R¹ are identical or different and are each a radical Si(R¹²)₃, where R¹² are identical or different and are each a hydrogen atom a C₁-C₂₀-alkyl,
C₁-C₁₀-fluoroalkyl, C₁-C₁₀-alkoxy, C₆-C₁₀-aryl, C₆-C₁₀-fluoroaryl,
C₆-C₁₀-aryloxy, C₂-C₁₀-alkenyl,
or R¹ is C₁-C₂₅-alkyl, C₂-C₂₅-alkenyl, C₃-C₁₅-alkylalkenyl, C₆-C₂₄-aryl,
C₅-C₂₄-heteroaryl, C₇-C₃₀-arylalkyl, C₇-C₃₀-alkylaryl, fluorinated C₁-C₂₅-alkyl,
fluorinated C₆-C₂₄-aryl, fluorinated C₇-C₃₀-arylalkyl, fluorinated C₇-C₃₀-
alkylaryl, or C₁-C₁₂-alkoxy, or two or more radicals R¹ may be connected to
one another in such a way that the radicals R¹ and the atoms of the
cyclopentadienyl ring which connect them form a C₄-C₂₄-ring system which
may in turn be substituted,

R² are identical or different and are each a radical Si(R¹²)₃, where R¹² are
identical or different and are each a hydrogen atom a C₁-C₂₀-alkyl,
C₁-C₁₀-fluoroalkyl, C₁-C₁₀-alkoxy, C₆-C₁₀-aryl, C₆-C₁₀-fluoroaryl,
C₆-C₁₀-aryloxy, C₂-C₁₀-alkenyl,
or R² is C₁-C₂₅-alkyl, C₂-C₂₅-alkenyl, C₃-C₁₅-alkylalkenyl, C₆-C₂₄-aryl,
C₅-C₂₄-heteroaryl, C₇-C₃₀-arylalkyl, C₇-C₃₀-alkylaryl, fluorinated C₁-C₂₅-alkyl,
fluorinated C₆-C₂₄-aryl, fluorinated C₇-C₃₀-arylalkyl, fluorinated C₇-C₃₀-
alkylaryl, or C₁-C₁₂-alkoxy, or two or more radicals R² may be connected to
one another in such a way that the radicals R² and the atoms of the

cyclopentadienyl ring which connect them form a C₄-C₂₄-ring system which may in turn be substituted,

X is chlorine

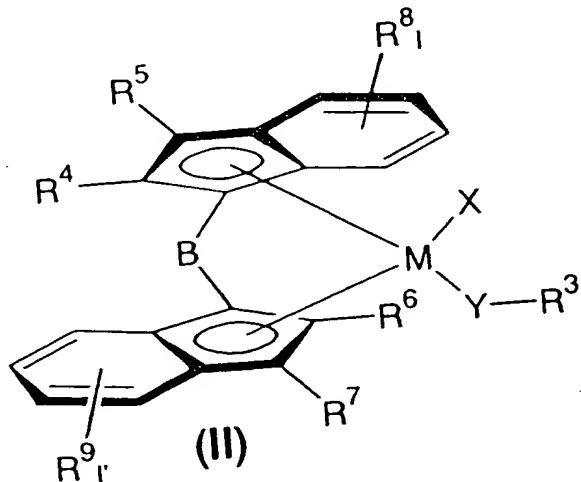
Y is oxygen or sulfur,

m is 1 and

one or both cyclopentadienyl rings are substituted in such a way that they form an indenyl ring which is substituted.

B1

11.(amended) A compound of the formula (II)



where

M is Ti, Zr or Hf,

R³ is isopropyl, tert-butyl, cyclohexyl or octyl, a C₅-C₂₄-heteroaryl, C₇-C₃₀-arylalkyl, C₇-C₃₀-alkylaryl, fluorinated C₆-C₂₄-aryl, fluorinated C₇-C₃₀-arylalkyl, or fluorinated C₇-C₃₀-alkylaryl

R⁴, R⁶ are identical or different and are each a hydrogen atom or a C₁-C₂₀-group,

R⁵, R⁷ are identical or different and are each a hydrogen atom or a C₁-C₂₀-group,

R⁸, R⁹ are identical or different and are each a hydrogen atom, a halogen atom

with each other?

or a C₁-C₂₀-group, and two radicals R⁸ or R⁹ may form a monocyclic or polycyclic ring system which may in turn be substituted,

- X is a halogen atom,
- Y oxygen or sulfur,
- I, I' are identical or different and are each an integer from zero to 4,
- B is a bridging structural element between the two indenyl radicals.

B1